

DETAILED ACTION

Allowable Subject Matter

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ido Rabinovitch Reg. No. L008 on 12/28/2010.

15. (Currently Amended) An article of manufacture, comprising:
a non-transitory machine readable storage medium having instructions which when executed by a machine cause the machine to perform operations of:
determining whether a message sent by a data output device indicating that data conveyance rules are to be modified has been received at a data distribution device, the data conveyance rules being identified using at least one of a user name for a user associated with the first message and a data output device identifier for the data output device, the data conveyance rules pertaining to messages delivered to the data output device subsequent to the first message, the data conveyance rules being used by the data distribution device to determine under what conditions to send data to a data output device;

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if the message to modify has been received, identifying, by the data distribution device, a rule template associated with the data conveyance rules, the identified rule template comprising at least one parameter;

generating and sending, by the distribution device to the data output device over a communication network, a message specifying a user interface corresponding to the identified rule template and the at least one parameter associated with the data conveyance rules that are to be modified, the second message causing the data output device to generate a user interface based on the specified user interface and the identified at least one parameter in the second message;

determining, by the data distribution device, whether a message comprising a specification of the parameter has been received from the data output device; and

if the message specifying the parameter has been received, creating, by the data distribution device, a rule by binding the rule template with the specified parameter, the created rule thereafter forming part of the data conveyance rules;

wherein the data is persisted at the data output device across trips between the data distribution device and the data output device.

16. (Currently Amended) The article of manufacture in claim 15, wherein the non-transitory machine readable storage medium provides instructions, which when executed by a machine cause the machine to perform operations of:
identifying a set of rule templates associated with the data conveyance rules to be modified;

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generating a message specifying a user interface corresponding to the set of rule templates; and

determining whether a message indicating selection of one of the templates in the set has been received.

17. (Currently Amended) The article of manufacture in claim 15, wherein the non-transitory machine readable storage medium provides instructions, which when executed by a machine cause the machine to perform operations comprising translating the rule into a rule engine format.

18. (Currently Amended) The article of manufacture in claim 15, wherein the non-transitory machine readable storage medium provides instructions, which when executed by a machine cause the machine to perform operations comprising:
determining whether a message comprising a subscription request has been received;
if a subscription request has been received, identifying data conveyance rules associated with the subscription request; and
sending data in accordance with the identified rules.

19. (Currently Amended) The article of manufacture in claim 15, wherein the non-transitory machine readable storage medium provides instructions, which when executed by a machine cause the machine to perform operations of:

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associating one of the data conveyance rules with a rule template; parsing the rule to identify specifications for parameters of the template; and generating a message specifying a user interface corresponding to the associated template, the identified parameters, and the identified specifications.

27. (Currently Amended) An article of manufacture, comprising:

a non-transitory machine readable storage medium having instructions which when executed by a machine cause the machine to perform operations of:

determining whether a command to modify data conveyance rules is received at a data output device, the data conveyance rules being used by the data distribution device to determine under what conditions to send data to the data output device, the command being initiated by the data output device;

if the command to modify has been received, sending a message to a data distribution device indicating that the data conveyance rules are to be modified, such message including identification data for specifying the data conveyance rules that are to be modified, the identification data identifying a user name for a user of the data output device, the data conveyance rules pertaining to messages subsequently delivered to the data output device;

determining if a message specifying a user interface corresponding to a rule template and a parameter associated with the data conveyance rules that are to be modified has been received over a communication network from the data distribution device;

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if the message specifying the user interface has been received, generating the specified user interface based on the specified user interface and the parameter in the message specifying the user interface;

determining whether a command indicating specification of the parameter has been received via the generated user interface; and

if the command specifying the parameter has been received, generating and sending a message comprising a specification of the parameter to the data distribution device for modifying the data conveyance rules for subsequent data delivery by the data distribution device;

wherein the data distribution device maintains a state of the data output device so that the data distribution device provides the data output device with only new data;

wherein the data is persisted at the data output device across trips between the data distribution device and the data output device.

28. (Currently Amended) The article of manufacture in claim 27, wherein the non-transitory machine readable storage medium provides instructions, which when executed by a machine cause the machine to perform operations of:

determining whether a message specifying a user interface corresponding to a set of rule templates has been received;

if the message has been received, generating the user interface;

determining whether a command indicating that one of the templates in the set has been selected has been received; and

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if the command has been received, generating a message indicating selection of one of, the templates in the set.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARSHALL MCLEOD whose telephone number is (571)270-3808. The examiner can normally be reached on Monday - Thursday 6:30 a.m-4:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOSEPH AVELLINO can be reached on (571) 272-3905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/M. M./
Examiner, Art Unit 2454
12/28/2010

/Joseph E. Avellino/
Supervisory Patent Examiner, Art Unit 2454